COMP 244: Database Management Systems

Fall 2014

eGCC Project – Part 2

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|  | **Points Possible** | **Points Earned** |
| **DDL statements:**   * Each relation is worth 2 points –overall order of create statement is worth 2 points * Every error deducts 1 point from the total points. * Every missing key/attribute deducts 1 point. * Every missing foreign key deducts 1 point. | **10** | 10 |
| **Application Functions:** every syntax error deducts 1 point, logic errors deduct 2 points. | **Total:**  **85** | **Total:**  **77** |
| 1. **Login:** Find the user (all attributes) whose username is “bigJim” and password is “IRock1”.   OK |  |  |
| 1. **Change password:** Change the password of the user whose username is “bigJim” to “NoBiggie1234”   OK |  |  |
| 1. **View Items I bid on:** List all the items (all attributes) that user whose ID is 112 has bid on.   We need to display the item attributes not the bid attributes here |  | -2 |
| 1. **View my items:** List all the items (all attributes) that user whose ID is 111 has put up for auction.   OK |  |  |
| 1. **View my purchases:** list all the items (title, description, price, category, dateSold and dateShipped) that user whose ID is 112 has purchased.   OK |  |  |
| 1. **Search by keyword:** Display all the items (all attributes) whose description contains the keyword “Service”   OK |  |  |
| 1. **Search by category:** Display all the items (all attributes) that belong to the category “Textbook”.   OK |  |  |
| 1. **View seller rating:** Find the average rating of the seller who is selling item with itemID=2213   OK |  |  |
| 1. **View number of bids:** Find the number of bids on the item whose ID is 2213   OK |  |  |
| 1. **View most popular item:** Find the item with the most number of bids.   Displaying a random itemID. We need to use grouping and nested queries for this question |  | -2 |
| 1. **Put a new item up for auction:** itemID is 2215, title is " Android Cookbook”, description is “Problems and Solutions for Android Developers”, startingbid is 5, enddate is October 30th, 2014, category is “reference”, sellerID is 111.   OK |  |  |
| 1. **Ship an item:** Change the status of item whose ID is 2212 to “shipped”. Also update the purchase table to indicate that the item was shipped today.   OK |  |  |
| 1. **View highest bid:** Find the highest bid on the item whose ID is 2211.   OK |  |  |
| 1. **Place a bid:** Place a bid on item whose ID is 2211: the buyerID is 114, the bid is $20 and the bid is placed on October 17th,2014 at 11:25AM.   OK |  |  |
| 1. **Rate a seller:** Place a rating where buyer whose ID is 113, sellerID is 111 and the rating is 1. Use today’s date as the date for the rating. Do not specify a description.   specifying the description to be an empty string. It should be null to indicate lack of a description |  | -2 |
| 1. **Close an auction:** Close the auction for item whose ID is 2211 by setting the highest bid as the price and today’s date as the purchase date. Note that for this query, you need to do multiple insert/update statements.   Incorrect buyerID and not setting the status of the item to sold |  | -2 |
| 1. **View** **top** **sellers**: Display the sellers in descending order of their average rating.   OK |  |  |
| **Triggers**  OK   * Every syntax error deducts 1 point from the total points. * A logic error deducts 2 points * A correct start is worth 1 point. | **5** | 5 |
|  |  |  |
| **Total** | **100** | **92** |